



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> Rebekah Cesmat; Pamela S.T. Stevenson	<b>Project Number</b>  22323
<b>Project Title</b> It's All Inside Solar Power	
<b>Abstract</b> <b>Objectives/Goals</b> To show that it is possible to give light to a house that is not connected to a local Electric company. <b>Methods/Materials</b> We took pictures of a real solar panel at Mrs. Russell's house. We set up the wires, lights, and panels. We tested the house. Wooden dollhouse.3 Solar panels.2 size D batteries.battery holder.12 light bulbs.1 ceiling fan. 4 switches. wires. Hot melt glue. solder. shrink tubing. <b>Results</b> The house was found to work fine on battery and ok on solar Power. Primarily from the batteries there is enough light to light the whole house at once. When the light is operating off the Solar panels primarily, then it gives enough power to run only one floor at a time at a reasonable brightness. If you turn three lights on it is dim, and all the lights on, the the Solar power turns off. <b>Conclusions/Discussion</b> As a result we learned that conservation was required, and with wise use of our electrical devices the system could be used successfully.	
<b>Summary Statement</b> To show it is possible to give light to a house that is not connected to a local electric company.	
<b>Help Received</b> Neighbor-Kevin Bailey -electric arm light- Lance Stevenson-purchase supplies, solder where needed, attach and help install lights, and switches-attach Solar Panels- Tirzah Stevenson-Mom-help set up display-typed up application.	